

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0003	Overall LMA Rating	Total LMA Miles				
Butte County Public Works	A	24.71				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.09		0.09	0.36%	PO Miles	CO Miles
Animal Control	0.09		0.09	0.36%		
Slope Stability	0.01		0.01	0.04%		
<i>LMA Totals:</i>	0.19	0.00	0.19	0.77%	0.07	0.55
Unit No. 01 Mud Creek	Overall Unit Rating	Total Unit Miles				
	A	7.29				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.07		0.07	0.96%	PO Miles	CO Miles
Animal Control	0.08		0.08	1.10%		
<i>Unit Totals:</i>	0.15	0.00	0.15	2.06%	0.07	0.05
Unit No. 02 Mud Creek	Overall Unit Rating	Total Unit Miles				
	A	8.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.02		0.02	0.24%		0.32
Animal Control	0.01		0.01	0.12%		
<i>Unit Totals:</i>	0.03	0.00	0.03	0.37%	0.00	0.32
Unit No. 02A Channel Slough	Overall Unit Rating	Total Unit Miles				
	A	0.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 03 Sycamore and Sheep Hollow Creeks	Overall Unit Rating	Total Unit Miles				
	A	4.13				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Slope Stability	0.01		0.01	0.24%		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.24%	0.00	0.00
Unit No. 04 Sycamore and Dry Creeks	Overall Unit Rating	Total Unit Miles				
	A	2.94				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments						0.18
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.18

**Flood Control Project Maintenance
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Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 05 Big Chico Diversion	Overall Unit Rating	Total Unit Miles				
	A	1.85				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Butte County Public Works

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 01 Mud Creek			Right	7.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Dave Herfi Butte Co.	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek							Right	7.29	11/17/2009 11/17/2009	Bob Duffey
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	1.31	1.31	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.741112 ° -121.927565 °	39.741112 ° -121.927565 °	11
2	1.32	1.32	Earthen Levee	Encroachments	LS	M	Prunings	39.741257 ° -121.927585 °	39.741257 ° -121.927585 °	1
3	1.74	1.74	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.745632 ° -121.923010 °	39.745632 ° -121.923010 °	12
4	1.75	1.75	Earthen Levee	Encroachments	LS	M	Prunings	39.746137 ° -121.923162 °	39.746137 ° -121.923162 °	2
5	1.77	1.77	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.745980 ° -121.922535 °	39.745980 ° -121.922535 °	13
6	1.92	1.92	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.747462 ° -121.920537 °	39.747462 ° -121.920537 °	27
7	2.06	2.10	Earthen Levee	Encroachments	LS	CO	Fences	39.748330 ° -121.918685 °	39.748867 ° -121.918533 °	3
8	2.16	2.16	Earthen Levee	Encroachments	LS	CO	Buildings	39.749732 ° -121.918270 °	39.749732 ° -121.918270 °	24
9	2.18	2.25	Earthen Levee	Encroachments	LS	PO	Fences	39.749917 ° -121.917738 °	39.753355 ° -121.922915 °	4
10	2.50	2.50	Earthen Levee	Encroachments	LS	M	Prunings	39.753695 ° -121.914863 °	39.753695 ° -121.914863 °	28
11	2.83	2.83	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.757982 ° -121.912880 °	39.757982 ° -121.912880 °	29
12	3.10	3.10	Earthen Levee	Encroachments	LS	M	Prunings	39.761085 ° -121.911048 °	39.761085 ° -121.911048 °	25
13	3.20	3.20	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.762213 ° -121.909962 °	39.762213 ° -121.909962 °	30
14	3.97	3.97	Earthen Levee	Encroachments	LS	C	Prunings	39.770247 ° -121.901310 °	39.770247 ° -121.901310 °	17
15	4.05	4.05	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.771120 ° -121.900330 °	39.771120 ° -121.900330 °	26
16	4.14	4.14	Earthen Levee	Encroachments	LS	M	Prunings	39.771787 ° -121.899065 °	39.771787 ° -121.899065 °	19
17	4.20	4.20	Earthen Levee	Encroachments	LS	C	Prunings	39.772072 ° -121.897973 °	39.772072 ° -121.897973 °	20
18	4.58	4.58	Earthen Levee	Encroachments	LS	M	Prunings	39.775908 ° -121.893947 °	39.775908 ° -121.893947 °	21

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek						Right	7.29	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
19	4.72	4.76	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.778007 ° -121.893537 °	39.778405 ° -121.893283 °	31
20	4.96	4.96	Earthen Levee	Encroachments	LS	M	Prunings	39.780550 ° -121.890952 °	39.780550 ° -121.890952 °	22

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 02 Mud Creek			Left	8.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Dave Herfi Butte Co.	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Comments

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Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek							Left	8.20	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.58	1.90	Earthen Levee	Encroachments	LS	CO	Fences	39.782773 ° -121.888178 °	39.778972 ° -121.891563 °	3
2	2.90	2.90	Earthen Levee	Encroachments	LS	M	Firewood	39.767985 ° -121.901493 °	39.767985 ° -121.901493 °	11
3	4.36	4.36	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	39.753840 ° -121.913853 °	39.753840 ° -121.913853 °	13
4	4.69	4.69	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.749917 ° -121.917195 °	39.749917 ° -121.917195 °	16
5	5.10	5.10	Earthen Levee	Encroachments	LS	M	Prunings	39.745932 ° -121.921553 °	39.745932 ° -121.921553 °	15

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Butte County Public Works

Waterway		Bank	Unit Miles
Unit No. 02A Channel Slough		Left	0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			10/12/2009	
DWR Inspector			Bob Duffey	
Accompanied By			Dave Herfi Butte Co.	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.30	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Butte County Public Works**

Waterway			Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks			Right	4.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				

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Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks						Right	4.13	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.06	0.06	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.786068 ° -121.881828 °	39.786068 ° -121.881828 °	3

*** Location**

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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2009 Levee Inspection Results
Butte County Public Works**

Waterway			Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks			Right	2.94
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/2/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By				

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Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks						Right	2.94	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.98	1.05	Earthen Levee	Encroachments	LS	CO	Fences	39.776013 ° -121.851175 °	39.776595 ° -121.852005 °	1
2	1.16	1.27	Earthen Levee	Encroachments	LS	CO	Fences	39.776760 ° -121.854022 °	39.777650 ° -121.855687 °	3

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 05 Big Chico Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			10/12/2009	
DWR Inspector			Bob Duffey	
Accompanied By			Dave Herfi Butte Co.	

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	11/17/2009 11/17/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
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**** Rating**

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